

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: David W. Larsen
Serial No.: 10/780,278
Filed: February 17, 2004
For: LIGHT SCATTERING DETECTOR

Group Art Unit 2878
Conf. No. 7067

I hereby certify that this paper is being deposited with the United States Postal Service as FIRST-CLASS mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this date.

6/21/04

Date

Registration No. 35132

F-CLASS.WCM

Appr. February 20, 1998

Attorney for Applicant(s)

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

This IDS is submitted under 37 C.F.R. §1.97(b) within either of the following time periods, whichever occurs last:

- (a) within three months of either the filing date of the national application or the date of entry into the national stage; or
- (b) before the mailing date of first office action on the merits (i.e., not including actions such as restriction requirements).

Applicant(s) submit herewith Form PTO-1449 (Information Disclosure Citation) together with copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 C.F.R. §1.56. Applicant(s) respectfully submit that the citation of any reference on Form PTO-1449 does not constitute an admission that the reference qualifies as prior art.

It is requested that the information disclosed on the enclosed Form PTO-1449 be made of record in this application.

The Commissioner is hereby authorized to charge any additional fees which may be required to this application under 37 C.F.R. §§1.16-1.17, or to credit any overpayment, to Deposit Account No. 07-2069. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

GREER, BURNS & CRAIN, LTD.

300 South Wacker Drive – Suite 2500
Chicago, Illinois 60606
Telephone: (312) 360-0080
Facsimile: (312) 360-9315
Customer Number 24978

By:

Steven P. Fallon

Registration No. 35,132

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FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR
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STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

2114.68540

APPLICATION NO.

10/780,278

CONFIRMATION NO.

7067

APPLICANT

Larsen et al.

FILING DATE

2/17/2004

GROUP

2878

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A	4,059,405	Nov. 22, 1977	Sodickson et al.	
	1B	4,213,703	July 22, 1980	Haunold et al.	
	1C	4,518,700	May 21, 1985	Stephens	
	1D	4,781,456	Nov. 1, 1988	Nogami	
	1E	4,823,168	Apr. 18, 1989	Kamahori et al.	
	1F	4,931,660	June 5, 1990	Mayer	
	1G	5,029,276	July 2, 1991	Buehler et al.	
	1H	5,134,276	July 28, 1992	Hobbs	
	1I	5,376,783	Dec. 27, 1994	Vecht et al.	
	1J	5,540,825	July 30, 1996	Yueng et al.	
	1K	5,628,891	May 13, 1997	Lee	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L	06053919	2/1994	Japan		
	1M					
	1N					
	1O					
	1P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	1Q	Kurt L. Haller and Philip C. D. Hobbs, "Double Beam Laser Absorption Spectroscopy: Shot Noise-Limited Performance at Baseband with a Novel Electronic Noise Canceller, SPIE, Vol. 1435, Optical Methods for Ultrasensitive Detection and Analysis: Techniquet and Applications (1991), pp. 298-309.
	1R	Product Catalog 2003, Ocean Optics, Inc.
	1S	

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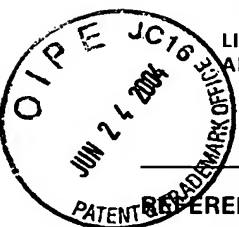
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EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	2A	5,680,209	Oct. 21, 1997	Machler	
	2B	5,742,200	Apr. 21, 1998	He	
	2C	5,745,243	Apr. 28, 1998	Wilcox et al.	
	2D	6,040,914	Mar. 21, 2000	Bortz et al.	
	2E	6,097,034	Aug. 1, 2000	Weckstrom et al.	
	2F	6,108,083	Aug. 22, 2000	Machler	
	2G	6,207,369	Mar. 27, 2001	Wohlstadter et al.	
	2H	6,243,170	June 5, 2001	Ershov	
	2I	6,249,348	June 19, 2001	Jung et al.	
	2J	3,877,817	4/1975	Ralston	
	2K	4,070,111	1/1978	Harrick	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	2L					
	2M					
	2N					
	2O					
	2P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	2Q	
	2R	
	2S	

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EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	3A	4,565,447	1/1986	Nelson	
	3B	4,848,904	7/1989	Sapp et al.	
	3C	4,922,309	5/1990	Harmon	
	3D	5,434,412	7/1995	Sodickson et al.	
	3E	5,983,709	11/1999	O'Keeffe	
	3F	6,002,477	12/1999	Hammer	
	3G	6,297,505	10/2001	Frandsen et al.	
	3H	6,449,040	9/2002	Fujita	
	3I	6,091,494	7/2000	Kreikebaum	
	3J	4,397,557	8/1983	Herwig et al.	
	3K	5,745,293	4/1998	Lassalle	

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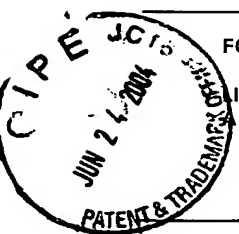
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	3S	

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	4A	2003/0210465	11/13/2003	Valenti	
	4B	4,929,078	5/1990	Harmon	
	4C	6,741,348	5/2004	Larsen et al.	
	4D				
	4E				
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	4Q	
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